

RESPIRATORY NOSE MASK

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Abstract

PROBLEM TO BE SOLVED: To restrain dislocation of a mask by a body movement, and reduce gas leakage to the minimum extent by providing a bellows-shaped elastic body between a surface where the mask is brought into close contact with a face and a frame in which the mask is installed.

SOLUTION: When a bellows-shaped elastic body 7 is placed between a frame 3 and a mask 1, a peripheral shape of bellows coincides with a peripheral shape of the mask to be connected, and the contour of a recessed line or a pointed line of the bellows exists on a plane. Silicone rubber or the like being a material of the mask is used as a material of the bellows-shaped elastic body, and when it is integrally molded with the mask, a manufacturing cost is reduced, and the easily installing merits are produced. The pitch number, a distance between pitches and a thickness of the bellows are decided by the magnitude of pressure of positive pressure gas to be used, the size of the mask, a dislocation quantity and a dislocation angle to be restrained and a material to be used or the like. A height of the bellows shaped elastic body 7 is set to 10 to 30 mm, and the pitch number is desirable to be 2 to 10 pieces. A thickness of the bellows is also desirable to be 1 to 3 mm.

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